



**Figure S2.** Cardiomyocyte-specific overexpression of CYP2J2 maintained cardiac function. AMPK $\alpha$ 2<sup>+/+</sup> mice were injected in the caudal vein with rAAV9-CYP2J2. After 2 weeks, the mice were exposed to continuous infusion with Ang II or a saline control for 14 days (8-10 mice for each group). Echocardiographic analyses and catheter studies were conducted after infusion with Ang II or saline for 2 weeks. **(A)** Heart rate. **(B)** IVS;s. **(C)** calculated LV mass. **(D)** dp/dt<sub>max</sub> and **(E)** dp/dt<sub>min</sub>. The data represent the mean  $\pm$  SEM from at least four independent experiments (\* $P < 0.05$  vs control group; # $P < 0.05$  vs Ang II group).